Appendix A: National Ambient Air Quality Standards and FHWA Noise Abatement Criteria

A.1 National Ambient Air Quality Standards

Table A.1-1. National Ambient Air Quality Standards (NAAQS)

National (EPA) Standard	
Primary	Secondary
50 μg/m ³	50 μg/m ³
150 μg/m ³	150 μg/m ³
	_
15 μg/m ³	15 μg/m ³
65 μg/m³	65 μg/m ³
1.5 µg/m ³	1.5 µg/m ³
	_
0.03 ppm	No Standard
0.14 ppm	No Standard
No Standard	0.50 ppm
9 ppm	9 ppm
35 ppm	35 ppm
0.08 ppm	0.08 ppm
0.12 ppm	0.12 ppm
0.05 ppm	0.05 ppm
	Primary 50 μg/m³ 150 μg/m³ 15 μg/m³ 65 μg/m³ 1.5 μg/m³ 0.03 ppm 0.14 ppm No Standard 9 ppm 35 ppm 0.08 ppm 0.12 ppm

Annual standards are never to be exceeded. Short-term standards are not to be exceeded more than 1 day per calendar year unless noted otherwise.

ppm = parts per million

 PM_{10} = particulate matter 10 microns in diameter or less $PM_{2.5}$ = particulate matter 2.5 microns in diameter or less

μg/m³ = micrograms per cubic meter

Source: EPA 2002

A.2 FHWA Noise Abatement Criteria

Table A.2-1. Federal Highway Administration Noise Abatement Criteria

L _{eq} Noise Levels (dBA)	Description of Activity Category
57 (exterior)	Lands on which serenity and quiet are of extraordinary significance and serve an important public need, and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose
67 (exterior)	Picnic areas, recreation areas, playgrounds, active sports areas, parks, residences, motels, hotels, schools, churches, libraries, and hospitals
72 (exterior)	Developed lands, properties, or activities not included in Categories A or B above
_	Undeveloped lands
52 (interior)	Residences, motels, hotels, public meeting rooms, schools, churches, libraries, hospitals, and auditoriums
	57 (exterior) 67 (exterior) 72 (exterior)